

REMARKS/ARGUMENTS

1. Rejection of claims 1-5 under 35 U.S.C. 103(a):

Claims 1-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over MacInnis (US 6,573,905) in view of Jackson (US 5,544,202).

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Response:

Independent claims 1 and 12 have been amended to overcome this rejection. Claims 1 and 12 now contain the limitation of "a memory connected to the video capture engine for storing the digital signal captured by the video capture engine without downscaling the digital video signal". Support for this amendment is found at the end of paragraph 13 of the specification, and no new matter is added. Since the digital video signal (DVS) is directly transmitted from the video capture engine 230 to the memory 240 without any special processing, the digital video signal is not downscaled either.

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On the other hand, MacInnis uses a video scaler 52 to downscale or upscale video, and teaches that video data will be downscaled before capturing video frames to memory (Col. 6, lines 16-17). Thus, the claimed invention differs from MacInnis in that there is no need to downscale the digital video signal before storing the digital video signal in the memory. In contrast, the claimed video process engine reads digital video signals from memory, processes the digital video signals, and then stores the resulting digital video data in the memory. Thus, MacInnis' video scaler 52 does not perform the same operations of the claimed video process engine.

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In view of the claim amendments and differences between the claims and the cited prior art, the cited combination of MacInnis and Jackson fails to teach all of the claimed limitations contained in claims 1 and 12.

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Claims 2-5, 7-9, 11, 13-16, 18-20, and 22 are dependent on claims 1 and 12, and should be allowed if claims 1 and 12 are allowed. Reconsideration of claims 1-5, 7-9, 11-16, 18-20, and 22 is therefore respectfully requested.

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Applicant respectfully requests that a timely Notice of Allowance be issued in this case.

Sincerely yours,

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Note: Please leave a message in my voice mail if you need to talk to me. (The time in D.C. is 13 hours behind the Taiwan time, i.e. 9 AM in D.C. = 10 PM in Taiwan.)